



December 22, 2016

Attn: Ms. Susan Klein  
EPA Region 7  
11201 Renner Blvd  
Lenexa, KS 66219  
RE: City of Pittsburg, KS Brownfields Assessment Grant

Ms. Klein,

The City of Pittsburg is pleased to continue the progress it has made through an Area-Wide Planning grant by submitting a Brownfields Assessment grant proposal for consideration. Pittsburg is the largest city in southeast Kansas and a major economic center in the region. It is also a regional center for education, manufacturing, transportation and logistics, medical care, workforce training, and photo finishing. It serves as the national headquarters for several large-scale corporations and is within a few hours of six major urban centers. Like many rural centers it has experienced economic setbacks, yet continues to adjust to remain vibrant and is currently experiencing a period of growth.

One factor restricting growth, however, is the hazardous areas within its borders that are the legacy of its mining and smelting past. This has restricted the productive use of considerable areas within the city limits and represents health risks to its inhabitants. The assessment grant will continue a focus on an area near the newly renovated downtown that is largely zoned for heavy industry but also includes rail lines, major arterial streets, light industry, retail, a city park, and predominately low-income residential housing. Revitalization of the Mid-City Renaissance District is an important part of encouraging and defining Pittsburg's future opportunities.

The thorough assessment and resulting cleanup plan requested through this grant is a continuation of the Area-Wide Planning momentum and represents a critical step in revitalizing a largely unproductive section in the center of the city. The assessment grant also provides an opportunity to keep up the community's internal effort to address environmental issues by continuing to engage with Pittsburg State University and other local organizations in reclaiming this area.

IV.C.2.a. Applicant Identification:	City of Pittsburg 201 W. 4 <sup>th</sup> Street Pittsburg, KS 66762 DUNS Number: 0306621750000
IV.C.2.b.i. Grant Type	Assessment
IV.C.2.b.ii. Assessment Grant Type	Community-wide
IV.C.2.b.iii. Federal Funds Requested	\$295,500.00

IV.C.2.b.iv. Contamination	Hazardous Substances \$147,750.00 and Petroleum \$147,750.00
IV.C.2.c. Location	The Mid-City Renaissance Area is located within the City of Pittsburg, Crawford County, Kansas.
IV.C.2.e. Contacts: i. Project Director: Mr. Jay Byers, Assistant City Manager City of Pittsburg 201 4th Street Pittsburg, Kansas 66762 Phone: (620) 231-4100 Fax: (620) 231-0964 <a href="mailto:jay.byers@pittks.org">jay.byers@pittks.org</a>	ii. Chief Executive/Highest Ranking Official: Mr. Daron Hall, City Manager City of Pittsburg 201 W. 4th Street Pittsburg, Kansas 66762 Phone: (620) 231-4100 Fax: (620) 231-0964 <a href="mailto:daron.hall@pittks.org">daron.hall@pittks.org</a>
IV.C.2.f. Population	i. The Mid-City Renaissance Area, the City of Pittsburg, and Crawford County have populations of 2,756, 20,233, and 39,134 respectively, according to the 2010 U.S. Census. ii. N/A iii. Not a 'persistent poverty' county
IV.C.2.g. Other Factors Checklist	Attached
IV.C.2.h. State Environmental Authority letter	Attached

As plans and projects currently underway in Pittsburg progress, the emergence of the Mid-City Renaissance District from industrial decay to a clean, productive, and vibrant centerpiece will be a profound demonstration of the community's evolution into a land of promise and opportunity in the future.

Sincerely,



Jay Byers  
Assistant City Manager

## PROJECT NARRATIVE

### 1. COMMUNITY NEED

#### a. Target Area and Brownfields - i. Community and Target Area Descriptions

The City of Pittsburg, Kansas, through the Mid-City Renaissance District, is requesting a BF Assessment grant to conduct site assessments and develop cleanup plans for a previous industrial site located within the heart of the city. The proposed industrial site was home to several zinc smelters, a clay pipe manufacturing plant and a hazardous waste generator of P092 (phenylmercury acetate) and U223 (i-3 diisocyanatomethylbenzene). The BF Assessment project area also encompasses a public park, several retail businesses, and residential homes.



In 2015, the City applied for and received an Area-Wide Planning (AWP) Grant from the EPA, and over the past eighteen months the City and community collaborators have been working with the EPA to develop the Mid-City Renaissance Area-Wide Plan (AWP). The result is a master redevelopment plan for this 350+ acre area in the center of the city. This BF Assessment proposal demonstrates the City's need for assessment funds and the plan for how these funds will be used. It also shows how a deep analysis as to the quantity and saturation of industrial waste, combined with specific recommendations for subsequent cleanup, will significantly enhance the heart of the City of Pittsburg.

The region surrounding the City is home to 39,304 residents and is located in the southeastern corner of Kansas, with Missouri bordering the east and Cherokee County, Kansas to the south. Pittsburg was initially founded, as were many small towns in Kansas, through the introduction of the railroad. The railroad was particularly interested in a direct route from Pittsburg to export the coal mined from the rich underground mines scattered throughout the region. At the height of coal-operated smelter facilities in Pittsburg, dating back from the early 1870's to 1915, there were numerous zinc smelters and other industrial plants in operation. As was common practice, these plants engaged in the use of hazardous materials and the introduction of lead, zinc, arsenic, cadmium and mercury to the environment through less than diligent disposal methods.

In addition to smelting activity, the District area was home to Dicky Clay who sold their operations to Mission Clay in 1987. Of the 350+ acres over 100 acres are still owned by Mission Clay, though they formally ceased operations in a majority of the area in 2013. This closure ended a 114-year-old empire in zinc and clay products.

The city is home to Pittsburg State University, a comprehensive regional university offering undergraduate and graduate programs to a very diverse student population. Averaging more than 7,400 students per year, approximately 11% are international students. The lack of adequate housing, which will be addressed by redeveloping this area, is a significant barrier for many international students who have limited access to transportation options.

Within the plan site, assessment activities will occur focus on eleven tracts and may extend to other areas based on findings. The eleven individual tracts are identified sites: 4<sup>th</sup> & Rouse; Mission Clay Products; Red Giant Lanyon; Red Giant Oil Company; Robert Lanyon Zinc Works; S.H. Lanyon Smelter; W&J Lanyon Smelter; 2<sup>nd</sup> & Smelter; Site #A5G001; TCE Joplin & Kansas; and Cash Grain & Feed Co.

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<b>ii. Demographic Information and Indicators of Need</b>	<b>BF Assessment Project</b>	<b>County</b>	<b>City</b>	<b>Statewide</b>	<b>National</b>
Population:	3,128 <sup>5</sup>	39,304 <sup>1</sup>	20,382 <sup>1</sup>	2,892,987 <sup>1</sup>	316,515,021 <sup>1</sup>
Unemployment:	7.0% <sup>5</sup>	4.7% <sup>4</sup>	4.7% <sup>4</sup>	4.4% <sup>4</sup>	4.6% <sup>2</sup>
Poverty Rate:	31.0% <sup>5</sup>	22.0% <sup>3</sup>	30.5% <sup>3</sup>	13.5% <sup>3</sup>	15.5% <sup>3</sup>
Percent Minority:	8.7% <sup>5</sup>	12.1% <sup>1</sup>	8.3% <sup>1</sup>	23.0 <sup>1</sup>	37.7% <sup>1</sup>
Median Household Income:	\$24,506 <sup>5</sup>	\$36,534 <sup>3</sup>	\$32,374 <sup>3</sup>	\$52,205 <sup>3</sup>	\$53,482 <sup>3</sup>
Median Home Value:	\$59,700 <sup>5</sup>	\$85,900 <sup>3</sup>	\$87,100 <sup>3</sup>	\$132,000 <sup>3</sup>	\$178,600 <sup>3</sup>
Total housing units:	1,354 <sup>5</sup>	17,864 <sup>3</sup>	9,185 <sup>3</sup>	1,244,372 <sup>3</sup>	133,351,840 <sup>3</sup>
Housing units built prior to 1939:	456 <sup>5</sup>	4,476 <sup>3</sup>	2,344 <sup>3</sup>	213,181 <sup>3</sup>	17,561,083 <sup>3</sup>
Housing units built between 1940-1979:	486 <sup>5</sup>	7,721 <sup>3</sup>	3,944 <sup>3</sup>	559,740 <sup>3</sup>	56,872,680 <sup>3</sup>
Housing units built between 1980-present	476 <sup>5</sup>	5,667 <sup>3</sup>	2,897 <sup>3</sup>	471,451 <sup>3</sup>	58,918,077 <sup>3</sup>
Disability:	274 <sup>5</sup>	38,676 <sup>3</sup>	20,073 <sup>3</sup>	2,833,872 <sup>3</sup>	311,516,332 <sup>3</sup>
<sup>1</sup> Data are from the 2015 American Community Survey data profile and are available on American FactFinder at <a href="http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF">http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=CF</a> <sup>2</sup> Data are from the Bureau of Labor Statistics (The Employment Situation – November 2016) and are available at <a href="http://www.bls.gov/news.release/pdf/empst.pdf">http://www.bls.gov/news.release/pdf/empst.pdf</a> . <sup>3</sup> Data are from the 2015 American Community Survey data profile and are available on American FactFinder at <a href="http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_14_5YR_DP03&amp;src=pt">http://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?pid=ACS_14_5YR_DP03&amp;src=pt</a> <sup>4</sup> Data from the Kansas Department of Labor, accessed December 8, 2016 <a href="https://klic.dol.ks.gov/admin/gsipub/htmlarea/uploads/LR%20E%20Oct2016%20-%20Rates.pdf">https://klic.dol.ks.gov/admin/gsipub/htmlarea/uploads/LR%20E%20Oct2016%20-%20Rates.pdf</a> <sup>5</sup> Data is from the U.S. Census 2012 American Community Survey 5 year estimates and was obtained from the Kansas DASC center at <a href="http://www.kansasgis.org">http://www.kansasgis.org</a> (Census Block Data)					

**iii. Brownfields and Their Impacts** - Currently the area includes large former industrial sections such as Mission Clay and W&J Lanyon Smelter; however, there are neighborhoods at the edges of the plan area that are, as the demographics indicate, less well off than the remainder of the city and region. For decades these neighborhoods have been adjacent to heavy industrial activity. With the AWP as a guide, this BF Assessment grant provides a critical next step toward the cleanup and reuse of these lands and will help alleviate pockets of poverty that have existed for decades.

The W&J Lanyon Smelter site was chosen as the catalyst site for the AWP grant due to its hazardous condition and central, strategic location. There are currently **six** active sites in the plan area, comprising a significant portion of the active sites in the city. During the intensive mining and smelting period in Pittsburg, the plan area was one of the most active industrial locations in the city, and experienced considerable unrestrained handling of hazardous materials. The W&J Lanyon Smelter Site has been identified by the KDHE as a contaminated site in investigation and remedial action has been required in phases. Phase I Focused Former Smelter Assessments (FFSAs) completed at the three former smelters in September 2004 confirmed smelting operations and smelter wastes. The site is located 1,000 feet west of 900 East 2<sup>nd</sup> Street, which is approximately 225 feet southwest of the S. H. Lanyon Zinc Works site. A Phase II FFSA Report was completed in July 2005. Soil and ground water sample results indicate impact by heavy metal contaminants (arsenic, lead, zinc and/or cadmium) at concentrations in excess of the Risk-Based Standards of Kansas (RSK) for soil and the federal maximum contaminant level (MCL) for ground water. Based on the results of Phase I and Phase II FFSA activities, the site was evaluated for potential responsible parties, but none were identified. When nearby residential yards were found to be

contaminated with lead in excess of RSK values, the site was again grouped with the S. H. Lanyon and Robert Lanyon smelters and worked as a single EPA removal action site. Yard excavations commenced in October 2009 and completed in April 2010. The EPA conducted an investigation at the site in November-December 2010. Remedial activities were completed in 2012; an Environmental Use Control and Long Term Care Agreement was placed upon the site.

In addition to the W&J Lanyon Smelter Site, several properties in the area are known to contain hazardous materials. On the Mission Clay Products site composite soil samples of the trash and soil within rollofts discovered in 2004 were submitted to a laboratory for toxicity characteristic leachate procedure (TCLP) analysis. The results indicated mercury at 0.28 milligrams per liter (mg/L), which exceeded the regulatory threshold of 0.2 mg/L. The facility also includes an active urethane plant, which produces urethane sealant to be sprayed on the clay pipe. The urethane is made by combining two liquids, a part A and a part B, which then react to produce a solid. One of these liquids has been known to historically contain mercury as a catalyst. An Initial Site Screening (ISS) was written for Mission Clay Products and a Site Evaluation was proposed; however, KDHE was denied access to the property to collect soil samples. The site was transferred to the EPA for evaluation.

Two Brownfields-funded investigations have been completed under the Kansas Brownfields Program. In 2003, a Brownfields Targeted Assessment (BTA) was conducted in the 600 block of Joplin Street. Results of the BTA identified nitrate, ammonia, and petroleum impacts to soil. The landowner enrolled in KDHE's Voluntary Cleanup Program to perform a remedial action for the impacted soil. Remedial actions were completed in 2004 and the property was redeveloped into a recycling center in 2005. In 2006, a BTA was conducted at the brownfields site located at 4th and Rouse Street. Results of the BTA identified petroleum-related groundwater impacts and the site was referred to the KDHE Storage Tank Section for further evaluation. A third BTA was conducted in 2012 on a property located two blocks west of the AWP project area proposed for redevelopment as a farmer's market. Soil sampling identified naturally-occurring arsenic above risk-based standards; however, the site was already capped with asphalt and the property was cleared for redevelopment.

#### **b. Welfare, Environmental, and Public Health Impacts - i. Welfare Impacts**

Within the City, 26% of the homes were constructed prior to 1939, with another 43% constructed between 1940 and 1979 as compared to the county at 25% and 44% respectively. Within the BF Assessment area, 34% were built prior to 1939, 36% between 1940 and 1979. The median household income for those within the census block is \$7,868 lower than the rest of the city, \$12,928 lower than the county, and less than half the State and national median income. Unemployment within the BF Assessment area is higher than the county, city, state, and national unemployment rates. This is also evident in the poverty rate, with 31% of residents within the BF Assessment area considered in poverty, 9 percentage points higher than the county and 17.5 percentage points higher than the state. Another indicator of poverty within the city is the percentage of students who are eligible for free or reduced lunch through the National School Lunch Program. Pittsburg Public Schools serve 3,104 students in Kindergarten through twelfth grade. Of those approximately 59.9% qualified for free or reduce lunches in the 2015-2016 school year. This reflects a percentage that is 11.3% higher than the state rate (48.6%) during same timeframe. (Source: Kansas State Department of Education, 2016).

As a component of the AWP grant, a **business climate report** was prepared by MBA candidates through the Pittsburg State University Kelce College of Business (Alicia Peine and Brad Thompson, under the direction of Dr. Eric Harris). This report identified the following areas of citywide concern: **Neighborhood Blight:** There are approximately 15,729 occupied housing units in the Pittsburg Micropolitan Area according to the Census Bureau. Of these, 9,665 are owner occupied and 6,064 are renter occupied. Overall, approximately 36.2 percent of the population in the Micropolitan area lives in

renter occupied housing units. A number of neighborhoods and dwelling units in the city have fallen into decay. Recent investments in multi-family housing have helped to remedy the situation somewhat, but more work is need on single-family housing. **Generational Poverty:** Using the standard poverty rate of \$23,834 annual income for a family of four, and a national rate of 14.8%, Crawford ranks in the Top 10 counties for poverty in the state. Crawford County has a poverty rate of 20.8% according to the latest statistics available (source: [www.census.gov/quickfacts/table/RHI805210/20037,20021](http://www.census.gov/quickfacts/table/RHI805210/20037,20021)). The county also ranks higher than other counties in the region on 12 of 14 poverty/quality of life indicators (source: Project 17). Generational poverty tends to be relatively high, with many children growing to be poverty stricken as well. **Crime Rate:** The crime rates throughout the micropolitan area are relatively high. The crime rate in Pittsburg (60 offenses per 1,000 residents in 2014) is higher by far than the state average of 29. County rates are also high in the areas [Crawford (42), Allen (22.9), Bourbon (36.4), Cherokee (32.3), Labette (28)] with the exception of Neosho county (12). Source: Kansas Bureau of Investigation Crime Statistics, 2014.

**Drug Abuse:** Drug abuse is also relatively high throughout the micropolitan area. Methamphetamine abuse is particularly high. According to Kansas Bureau of Investigation statistics, illicit drug lab seizures in 2014 were highest in the state in two countries within the region: Crawford and Montgomery.

**Weather:** The Pittsburg micropolitan area does receive a slightly greater than average amount of severe weather in the Spring and Summer seasons. The region has a slightly higher than average risk of tornados although no major tornado has hit the region in recent years. In nearby Joplin, MO, however, a tornado struck wiping out a majority of the city. Given the amount of clay pipe and shards on the property should a tornado hit the resulting effects could be devastating. **Amenities:** While the Pittsburg area offers much in the way of lakes, walking trails, and opportunities for outdoor recreation the area does suffer from lack of other amenities. Young, professional, and well-educated employees desire to have more options in the way of nightlife and dining options. Workers with young families desire more opportunities for their children in the way of recreational and creative activities.

A significant concern by citizens within the city is the close proximity of Schlanger Park to the former smelter properties and the potential for individuals to be exposed to the contamination. Schlanger Park is located in the northern portion of the proposed area. The 12- acre park contains two shelter houses, a skate park, a sledding hill, tennis and basketball courts, sand volleyball parks, and a wading pool for use in the summer. The park serves persons of all ages throughout the year, and includes an “Everybody Plays” all-abilities playground in the park. In addition, there is an “unofficial” park utilized by several Hispanic families who live nearby. This area is undeveloped and is located just to the east of Schlanger Park and contains the active SH Lanyon Smelter site.

Also as a component of the AWP grant, a **soil and hydrological analysis** of Schlanger Park and Clay Creek was conducted by the community partner, Pittsburg State University, through the Biology Department (Bryce Regatz, Jared Simon, and Karen Stoehr, under the direction of Dr. Dixie Smith). A summary of their findings:

While much of the soil and hydrology has been altered by human use in the area, the general characteristics of this soil give a picture of somewhat to very limited suitability for paths, trails, and picnic areas because of naturally occurring drainage issues. Subsurface and surface water management strategies are also characterized as limited. Challenges to using these soils include potential instability of excavation walls and slow movement of water. The prevalence of shrink-swell clays in some components of both Dennis and Parsons soils makes it important to provide support pillars mounted on bedrock to prevent settling and subsequent cracking of large structures. This is anecdotally recognized by area contractors and adds to the cost of construction. It is, then, of importance for this site report to recognize these restrictions can be overcome with planning and the addition of appropriate structures.

Clay Creek drains the area of storm water runoff from the surrounding neighborhoods and carries it through the NE corner of the Mission Clay Project site. Even with these natural limitations, the AWP grant identified the potential to add drainage, terracing, and flood-resilient plantings that can overcome some of the limitations and create a functioning recreational and multi-use area in the center of town.

**ii. Cumulative Environmental Issues** - The proposed BF Assessment area is of sufficient size to completely revitalize this particular area of town. The area, at this point in time, contains many identified environmentally contaminated sites and is largely vacant land with underdeveloped property. Previous findings suggest higher than normal heavy metal levels with potential health hazards to small children as well as an aging population who live, work, and play a short distance from the site. Property values are significantly less in this area of the city as demonstrated above. Reclamation of the plan area and the potential to provide citizens access to adequate housing and economic opportunity within walking distance of the downtown, will have a significant positive impact upon the city, the citizens, and the potential to draw additional businesses conducive to the area.

Several intersections impose hazardous conditions for both drivers and pedestrians because of significant usage. According to the Kansas Department of Transportation Traffic Counts published in March 2014, the railroad crossing located at Joplin and 3<sup>rd</sup> Street, had 6,835 vehicles during the data collection period. Similarly, at Joplin and 4<sup>th</sup> street crossing there were 6,870 vehicles.

Development of the Schlanger Park and Clay Creek areas will likely require strategies for reducing the floodplain area. As the region floods when the holding capacity of the stream is exceeded, adjustment of the width of stream found at the center of the floodplain may be a viable strategy. Consideration must be given as to the effect stream adjustments would have upon the region downstream, because excessive throughput in the drainage system of interest may prove injurious to the health of East Cow Creek. Therefore, capturing runoff on-site would be most desirable.

**iii. Cumulative Public Health Impacts** - While the information provided in the previous section paints part of the overall picture, there are several other contributing factors that adversely impact the areas surrounding the assessment area. According to the Kansas Bureau of Investigation (KBI), there were 69 violent crimes within the city in 2015, with 73% of those being aggravated assault and battery and 18% for rape. There were an additional 752 crimes against property (a 36.8 rate per 1,000), with 109 burglaries, 611 thefts and 32 auto thefts. Also on the rise is the increase in the number of methamphetamine labs within the county. Also documented by KBI, in 2014 there were a total of nine incidences within Crawford County, including five dumpsites and four lab seizures. The numerous vacant buildings and large kilns on the site attract illegal endeavors like vandalism and pilfering and offer hidden locations for other criminal activities.

Another concern is the effects of heavy metal poisoning on young expectant mothers and their unborn children in and around the plan area. Within Crawford County, 8.04% of all births in 2016 the child had a low birth weight (under 5.5 pounds) as compared to 6.54% for surrounding counties and 7.06% for the state of Kansas. Further evidence suggests a link between autism and exposure of high levels of toxins from the environment such as heavy metals. According to a 1978 study on mice heavy metals causes “synergistic toxicity” which is likely highly relevant in the causality of autism. Another epidemiological study completed in 2001 suggests exposure to heavy metals can cause immune, sensory, neurological, motor, and behavioral dysfunctions similar to traits defining or associated with autism.

**c. Financial Need - i. Economic Conditions**

The target area, with a population of 3,128, is stressed by 7% unemployment, a 31% poverty rate, a median income only 47% of the State average, and housing values 55% below the state average. The City’s ability to fund this type of work is severely strained due to persistent low revenues caused by property values 34% below and incomes 38% below State averages. The project area represents a large



sector in the middle of the city zoned for a range of uses from single-family homes to heavy industrial, most in close proximity and underdeveloped, therefore undervalued. The state of the area remains reflective of the history of unregulated mining and smelting operations occurring in Pittsburg in the 19<sup>th</sup> and early 20<sup>th</sup> century. Development in this area has been prevented due to lack of planning, problematic zoning, changing ownership and the presence of hazardous materials. The largest single tract (over 100 acres) has been used for the manufacture and storage of clay pipe, historically used for a variety of construction and public works applications for more than 100 years. The land currently is owned by Mission Clay Products Industries, who acquired it in 1987. The use of clay pipe is now essentially obsolete, and the owners ceased operation in 2013 (although they continue a polymer manufacturing operation in a small area to the north of the site). The end of Mission Clay activity followed the closing in 2008 of the Superior Industries wheel plant in Pittsburg in the nearby Northeast Industrial Park, representing the loss of approximately 600 jobs and created significant economic hardship for the City and surrounding area.

The changing market has created an historic opportunity for the City to reclaim a large area in the center city. The EPA AWP being finalized contains a Master Redevelopment Plan for the revitalization of the center of the City. The resulting plan was developed based on extensive input from stakeholders, focus groups, and the general public. The vision, goals and objectives are all focused on reusing and reintegrating this portion of the city back into the urban fabric and making strong connections to downtown, Pittsburg State University, the High School, and adjacent neighborhoods.

With the proximity to the recently renovated downtown, the presence of a large city park, and significant access to arterial roadways, the assessment area represents prime developable land; however, it is imperative the land be thoroughly tested and remediated before its potential can be realized. Given the size of the area being targeted and other pressing city-wide needs, the City itself does not have the resources to undertake an assessment and to prepare a remediation plan. The preparation of the AWP was the first step to in organizing the city's priorities in an effort to seek out additional funding for the redevelopment of the District in a logical and organized manner.

**ii. Economic Effects of Brownfields** - As previously discussed, this brownfields area has had a significant impact upon the city and surrounding community through neighborhood blight, generational poverty, crime rate, drug abuse, weather, and amenities. The median home value is significantly lower than the county and city (\$27,400 less); poverty rates are 11 percentage points higher than the county and 17.5 percentage points higher than the state; unemployment is almost 3 percentage points higher and more than half of the homes within the site area were built prior to 1979.

A further analysis by Kelce College of Business for the AWP identified brain drain as a significant issue in the City. Brain drain is a term used to describe what occurs when students leave an area after obtaining an education from that area. Graduate data from PSU reveals a serious problem with brain drain and signals that redevelopment of the District as a major opportunity. In summary:

Based on the statistics and residency data, the following conclusions can be reached:

- Graduates of the College of Business receive roughly \$31,000,000 in annual compensation
- Graduates of the College of Technology receive approximately \$65,000,000 in annual earnings.
- Response data suggests that 12% of Kelce Graduates stay in Pittsburg, - this equates to only \$3.7 million staying in the Pittsburg economy.
- Using the same basis for comparison, the College of Technology contributes \$7.8 million to the local economy.
- PSU loses not only "native" Pittsburg residents, but other PSU students as well to migration.

PSU is providing nearly \$100 million worth of education-based pay to its Business and Technology students. Despite this potential, the city receives a return of less than \$12 million. The brownfield blight



in the plan area negatively impacts the City's ability to retain PSU students and their related income. Additional development, such as that proposed in the AWP, would help the City retain PSU students and their earnings.

Additionally, this large tract is a drain on fiscal resources to patrol for illegal activities, adds to the crime rate, and there is a significant loss of tax base and depressed property values. Existing property owners are unable to attract new businesses and there is limited demand for the previous types of industry within the area.

## **2. PROJECT DESCRIPTION AND FEASIBILITY OF SUCCESS**

**a. Project Description, Timing and Implementation - i. Project Description and Alignment with Revitalization Plans** - In January of 2016 the City began preparing the Mid-City Renaissance District Plan funded under the EPA's AWP. The central location of the site makes it a prime candidate for development creating connections throughout the entire city. It also creates an opportunity to realize recommendations the City has received from recent studies. A 2014 hotel/retail feasibility study found the city is currently under-stored and there is potential for up to 164,000 square feet of new retail and restaurant development. A 2014 Housing Needs Assessment identified specific programs for in-fill housing, new developments and multi-family housing projects. A study performed by PSU indicated a latent demand for single-family housing in the city. These studies have been considered, along with independent analysis under the AWP, in determining the proper mix of redevelopment opportunities.

Further significance of the plan area can be seen in its relation to other current and planned projects underway. A significant historic rehabilitation of four buildings at 4<sup>th</sup> and Broadway has begun permitting and represents a significant revitalization project for Pittsburg's downtown. The project will bring over 100 additional residents along with commercial and professional space. The Broadway corridor between downtown and PSU has been identified as a focus for growth with planned streetscapes and incentives to facilitate development. The Kansas Department of Transportation (KDOT) has planned to replace the bridge over the railroad tracks in the northwest portion of the plan area to include a ten foot walking/bike trail. The City has created an Active Transportation Advisory Board and has added miles of hike/bike trails over the last three years. It has plans to continue the non-motorized transportation system and to make the plan area a central hub. (See Appendix B, Figure 1)

PSU is actively pursuing an "Innovation Constellation" that includes the 4<sup>th</sup> and Broadway development, redesign of the Kelce School of Business on Broadway, the Kansas Technology Center at Ford and Rouse, and the Kansas Polymer Research Center on Rouse. This grouping of facilities is creating a full service incubator intended to promote the commercialization of university and community research and innovation through full lifecycle startup support from ideation through initial production and is in line with its role in the South Kansas IMCP (See Appendix B). This initiative will require the new and modern mixed use, commercial and light industrial space that is anticipated in the Mid-City Renaissance AWP.

Through analysis of existing conditions, amalgamation of recent and current planning efforts, and extensive community input the City is finalizing a Master Redevelopment Plan. Through the revitalization planning, five key redevelopment sectors were put forth based upon economic feasibility, existing infrastructure and, in some cases, where existing businesses currently reside. The use of existing water, sewer, and transportation systems were taken into consideration as each sector emerged. These sectors include: mixed commercial/light manufacturing; commercial strip development; mixed recreational/cultural; residential-high and -medium density. (See Appendix B, Figure 2)

**Mixed Commercial/Light Manufacturing** – This proposed zone builds from existing business operations such as Van Becelaere Machine Works, American Concrete, SEK Recycling, US Awards,

Red Giant Oil, and Phil's Plumbing & Heating. Investments here are intended to strengthen and support existing operations while attracting complimentary business operations. The goal for the mixed commercial/light manufacturing district is to foster a network of collaborative strategies among existing business operations while improving the existing physical characteristics. This could include shared logistics and shipping and receiving facilities, mutual training facilities, or group purchasing for office and fleet materials. More creative thinking can also be applied to a district micro-grid to mitigate grid disturbances and potentially reduce electricity costs. **North of 4<sup>th</sup> Street** – The area between 4<sup>th</sup> St. and 7<sup>th</sup> St. should be recognized as a stable family neighborhood with investments in both the infrastructure and housing stock. The neighborhood's pedestrian environment should be strengthened with a complete, well-maintained sidewalk network throughout, new street tree plantings, and pedestrian-scaled lighting. Homeownership and maintenance programs should be targeted here for several years to help stabilize the neighborhood and foster a stronger sense of pride in the neighborhood. The infrastructure should be upgraded and incorporate green infrastructure principles. **South of 4<sup>th</sup> Street Corridor** – The area along 4<sup>th</sup> St. from the bridge to Rouse is primarily an auto-oriented commercial corridor with an opportunity to create expanded recreation elements to the south. By introducing new design policies and improved mobility options, the 4<sup>th</sup> St. corridor holds the potential to become a meaningful investment area for the new commercial, retail and professional uses leading to the downtown core. Using the entrance to the Mission Clay property a new roadway will become a key entry point into the redeveloped area. **Power Generation & Managed Forest** – The central core area of the District includes some of the most challenging opportunities for redevelopment due to the previous land use, particularly smelter activities. Additionally, the area is along the rail line with little vegetation. This area is commercially unattractive but being largely inaccessible and not highly visible, represents an opportunity to invest in renewable energy without many of the potential downsides. It is particularly suitable for a community solar project, and this potential generated considerable public interest. As for a managed forest area, phytoremediation is a bioremediation process that uses various types of plants to remove, transfer, stabilize, and/or destroy contaminants in the soil and groundwater. One area has been identified as a potential research area in collaboration with the local university. **Mixed Recreational/Cultural** – There was a general consensus expressed by the citizens of a strong desire for recreational and cultural uses within the District. The recommendations include an arts & cultural center, a new community recreation facility and new baseball fields. Laced throughout the area is a trail network that could be used to host cross-country racing events and for community residents striving to live a healthy, active lifestyle. The *arts & cultural center* aims to re-use an existing structure from Mission Clay operations. The vision for the facility is to be a multidisciplinary arts center supporting the creation, production and presentation of arts and culture. The facility could be designed to host original theater productions and performances, music, art exhibitions, multi-media productions, independent and documentary films, live HD simulcasts, youth projects, and special events. The *community recreational facility* is proposed to create a fresh, new indoor athletic facility. Amenities could include state-of-the-art training equipment, an Olympic pool, a community room, indoor track, spin room and meeting space. *Baseball fields* can draw many teams and visitors to the community for tournaments. The region indicates a thriving baseball tournament market. The project identifies a grouping of four baseball diamonds located at the west end of the site area. **Medium and High Density Residential** – In addition to the identified desire for recreational and cultural uses within the District, housing was identified as a key opportunity. Nestled by the proposed arts & cultural center and the community recreation facility the District incorporates new medium- to high-density housing. By introducing a framework for phased residential development, diverse housing options and trail connections throughout the District, this area creates a unique housing opportunity for both 55+ living and graduate level students and professors at Pittsburg State University. This includes

various price ranges to enhance the economic feasibility of the concept and augments the establishment of a vibrant community. *Medium density* includes single-family residential, separate buildings, 800-1,200 square foot homes anticipated to be of cottage style and single floor. *High density* includes multi-family residential, it is anticipated that the collection of buildings can meet the demands of both a 55+ market as well as graduate students. Buildings are expected to vary at 2 to 4 stories and take on some of the traditional industrial elements of the sites industrial past. In addition a *common green* provides a multi-functional open space that can be used for social gatherings as well as a park to display the industrial art or a community garden. **Fourth Street Corridor Improvements** – Fourth street is the primary east-west corridor into and through the District. It is also the primary connection between the District and downtown Pittsburg. Proposed investments in the corridor are pedestrian-oriented in design and appearance, with retail and other active ground floor uses. Investments accommodate pedestrians, bicycles, automobile traffic, on-street parking and emergency vehicles. A public improvement strategy would be created to reinforce the special character of 4<sup>th</sup> street. Improvements would include elements such as special paving, street trees, pedestrian-scaled lighting and street furniture. Design guidelines would promote high quality, bike and pedestrian oriented design. (See Appendix B, Figure 3)

**ii. Timing and Implementation** (a) **Contractor procurement** - The District, will capitalize on the momentum begun through the development of the revitalization plan to progress through the procurement process. The Steering Committee, comprised of city officials, a cross-section of neighborhood residents and business owners, major plan area property owners, and community health experts, will continue to provide insight to the project. The City of Pittsburg, as the lead agency, will follow federal and local procurement policies to develop a request for bid to procure a contractor to conduct the assessments as delineated within this proposal. The process is anticipated to take three months. Additionally the Kansas State University Technical Assistance to Brownfields office will provide support for the project and guidance in desirable qualifications for an assessment contractor. **Pre-bid meetings** will be held prior to awarding any contracts in order to better acclimate interested contractors with the challenges facing the District. This meeting can include touring the identified Brownfields sites. The contractor will be selected following the City's bidding processes and the contractor's contract will be approved by the City Commission. After a contractor is selected and the timeline for implementation is finalized, periodic **community input sessions** will be held to provide information supporting the assessment findings and their alignment with the revitalization plan. Attendance at the sessions will be encouraged through extensive use of traditional and electronic means including newspaper, direct mailings, email, public cable channel advertising, web posting, and social media. The City of Pittsburg has extensive experience in management of grant-funded projects and a solid reputation for completing projects on time and within budget. It is anticipated a preliminary assessment plan will be available mid-way through the three year project. **Key city staff** include: Jay Byers, Assistant City Manager, Tammy Nagel, City Clerk, Becky Gray, Director of Housing Community Development, and Cameron Alden, P.E., City Engineer.

(b) **Site Inventory and Prioritization** - During quarterly Steering Committee meetings, the contractor will provide updates regarding the findings and recommended solutions to remediate the affected areas within the proposed site. Since the 350-acre Brownfields site has multiple property owners, findings, proposed solutions, and prioritization will be an important component. A rubric will be developed to assist with the prioritization and will take into account stakeholder input, professional input from the procured contractor, the amount of cleanup required, the anticipated cost of cleanup and the results of ongoing planning initiatives. Based on previous EPA reports, preliminary studies conducted through the AWP grant, and conversations with property owners, the possibility and feasibility for several of the sub-areas within the larger catchment area to be remediated quickly is favorable. Cleanup requirements

for the Mixed Commercial/Light Industrial areas will be less and may be more easily achieved. The same is true for the Power Generation area, which could show considerable progress and generate community enthusiasm. Strip development along the 4<sup>th</sup> Street Corridor can be marketed early as can professional space (assuming no contamination). Recreation and cultural areas will require additional planning and fundraising, and cleanup requirements for residential areas will likely cause them to take longer to develop. Each sub-area will be categorized into Stage 1 and Stage 2 sites. Stage 1 sites will be those who are most favorable for the lowest cost expenditure for remediation. Stage 2 sites will be based on multiple factors including site access, the extent of contamination, economic value, and cost estimates for remediation.

**(c) Obtaining and securing site access** - The City will work with all of the site property owners to secure site access. The City has been in correspondence with all property owners throughout the revitalization planning process and does not anticipate difficulty in obtaining permission for the City and the procured consultant(s) to access the site for environmental studies. All sites will be accessed only after written permission to perform work on private land is provided to the City in writing and on file. The City attests they have not arranged for disposal of hazardous substances at the site or transported hazardous substances to the site or cause or contribute to any releases of hazardous substances at the site.

**b. Task Descriptions and Budget Table 1. Task Descriptions**

**Task 1: Stakeholder and community meetings:** Costs associated with conducting future stakeholder and community meetings is estimated at \$1,200. This includes publication costs to advertise, materials necessary to effectively document the assessment findings and subsequent cleanup plans. It is anticipated there will be four community meetings at a cost of \$300 each. Outputs include newspaper coverage of community meetings, attendance rosters, assessment reports and cleanup plans provided to interested community members and citizens. The Steering Committee and partners will be engaged to assist with marketing and conducting community meetings. City staff will provide logistical support and potential venues. **Task 2: Site assessments:** The contracted contractor would assess eleven locations, under the City's supervision within the 350+ acre site. The eleven sites have all already had some level of environmental assessment attention, with most sites requiring a Phase II assessment or beyond. However, given the long history of various industrial activity at the sites it is desired that both petroleum and hazardous materials assessments be performed. KDHE will be asked to help identify (and potentially perform) additional analyses required on tracts. The contracted consultant will conduct extensive studies of each of the eleven locations to determine the level and quantity of suspected hazardous materials on each site and help decide whether they fall into a Stage 1 or Stage 2 prioritization. It is anticipated environmental assessment will cost \$12,000 for each of a petroleum and hazardous assessment per site or approximately \$264,000. The output will be necessary knowledge to create a cleanup plan and timeline. **Task 3: Cleanup plans:** This task includes \$26,400 for the development of cleanup plans which will be inclusive of each assessed property (\$1,200 per site for each petroleum and hazardous cleanup plan-\$2,400 per site total). The outputs include detailed steps to cleanup each assessed site and projected potential costs of the cleanup. These plans will be made accessible to interested private developers as well as government agencies in future grant applications seeking funding for cleanup initiatives. **Task 4: Grant compliance and reporting:** This task includes contractual arrangement with a consultant to ensure consistency with EPA rules, ACRES reporting, reporting of outputs and outcomes, quarterly reports and an annual performance report. This consultant estimates at total of sixty hours at a rate of \$65 per hour, \$3,900. Outputs include timely reporting and submission of reports.

2017 EPA Assessment Grant Application  
Mid-City Renaissance District • City of Pittsburg, Kansas

<b>ii. Budget Table</b>	<b>Project Tasks (\$) (programmatic costs only)</b>				
<b>Budget Categories</b>	<b>Stakeholder and community meetings (Task 1)</b>	<b>Site assessments (Task 2)</b>	<b>Cleanup plans (Task 3)</b>	<b>Grant compliance and reporting (Task 4)</b>	<b>Total</b>
Personnel	In-kind	In-kind	In-kind	In-kind	In-kind
Fringe Benefits	In-kind	In-kind	In-kind	In-kind	In-kind
Travel <sup>1</sup>	In-kind	In-kind	In-kind	In-kind	In-kind
Equipment <sup>2</sup>	In-kind	In-kind	In-kind	In-kind	In-kind
Supplies	In-kind	In-kind	In-kind	In-kind	In-kind
Contractual hazardous	\$0	\$132,000	\$13,200	\$1,950	\$147,150
Contractual petroleum	\$0	\$132,000	\$13,200	\$1,950	\$147,150
Other (specify) Community meeting advertising/handouts Environmental Insurance	\$1,200	\$0	\$0	\$0	\$1,200
<b>Total Budget</b>	<b>\$1,200</b>	<b>\$220,000</b>	<b>\$26,400</b>	<b>\$3,900</b>	<b>\$295,500</b>

<sup>1</sup> Travel to brownfields-related training conferences is an acceptable use of these grant funds.

<sup>2</sup> EPA defines equipment as items that cost \$5,000 or more with a useful life of more than one year. Items costing less than \$5,000 are considered supplies. Generally, equipment is not required for Assessment Grants.

Reminder: Administrative costs, such as indirect costs, of grant administration with the exception of financial and performance reporting costs are ineligible grant activities.

### c. Ability to Leverage

Partners expressing support and commitment for this proposed project have indicated their ability to provide leveraged resources in direct support of the project activities and outputs.

<b>Partner</b>	<b>Amount</b>	<b>Type of Support</b>	<b>Source of Funding</b>
Kansas State University-Technical Assistance to Brownfields (KSU-TAB)	\$4,000.00	In-Kind	General Fund
Kansas Department of Health & Environment (KDHE)	\$0	In-Kind	General Fund
Pittsburg State University (PSU)	\$0	In-Kind	General Fund
Live Well Crawford County	\$1,000.00	In-Kind	KS Health Foundation
City of Pittsburg	\$0	In-Kind	City taxes
SEK Education Service Center (SEKESC)	\$2,600.00	In-Kind	General Fund
Community Health Center-SEK (CHC)	\$0	In-Kind	State & Local Grants

KSU-TAB will provide support for project outputs including help prepare contracts for program tasks, providing materials to inform of brownfield resources, and review of documentation, including the final site assessments and cleanup plans. PSU will provide a variety of support of efforts to analyze and sample the plan area as well as support for community interaction and education. Live Well Crawford County will participate on the Steering Committee. The city will provide project management assistance in support of the coordinator throughout the grant. SEKESC will provide additional support for project consistency with EPA rules, ACRES reporting, reporting of outputs and outcomes, quarterly reports and an annual performance report. The Community Health Center will provide area health statistics to assist in validating outcomes and will provide a representative on the Steering Committee.

### 3. COMMUNITY ENGAGEMENT AND PARTNERSHIPS

#### a. Engaging the Community i. Community Involvement Plan

Community involvement and communicating progress are integrated throughout this project. How this will be achieved is outlined under ii.

**ii. Communicating Progress** - Public engagement for the District began in the AWP project and momentum for a successful project continues to build. A Steering Committee representative of the plan area and the community was formed early and meets regularly. Formal public meetings have been in the form of Open Houses. The open house concept has been a positive way to communicate the development of the revitalization plan to the general public and allowed for individuals to stop by and ask questions at a time most convenient to them. This has prevented sessions from being captured by the most vocal attendees and has allowed for a more leisurely and interactive experience. The first open house was attended by more than 100 individuals (April 12, 2016) and more than 80 individuals attended a second, follow-up session held on November 15, 2016. This format will continue to be the main focus of engaging the public in addition to advertisements on the City's website, announcements on the local government television channel, and posted on social media. A publically accessible project web site has been created that provides extensive project information and allows for public input, and this will continue throughout the redevelopment. The local newspaper, television station, and a regional newspaper located in nearby Joplin, Missouri have been highly receptive to providing coverage and press for the open houses and keeping the public apprised of the project. Local partners and their related organizations will also enhance announcements through reposting on social media and through their regular correspondence with their constituents. Steering Committee meetings and community input sessions will encourage public participation by having the sessions at various times during the week and during the day. The project team will have tables at community events to explain the project and solicit input. As the project progresses, the team will arrange site tours and neighborhood meetings arranged by residents. During the sessions, the project team will break the attendees into smaller groups to be able to provide more personalized interaction and to improve a sense of ownership. Appropriate tools will be incorporated during sessions and may include brainstorming, affinity grouping, multi-voting, prioritization matrices, and other methodologies.

#### b. Partnerships with Government Agencies i. Local/State/Tribal Environmental Authority -

The Kansas Department of Health and Environment is responsible for environmental cleanup programs within Kansas. The City of Pittsburg has partnered previously with KDHE through other EPA funded projects and has a long-standing relationship with the engineers and others located at the Pittsburg KDHE field office. KDHE has agreed to assist the project with leveraged funds and providing assistance with environmental site assessments on eligible brownfields properties as funding allows.

#### ii. Other Governmental Partnerships -Other partners for the proposed project include:

Organization Name	Contact Person	Contact Information	Role
KSU-TAB	Blase Leven, TAB Program Coordinator	(785) 532-6519	Technical consulting, RFP creation, contracts scoping, prioritization, brownfields education, document review
CHC	Krista Postai, Chief Executive Officer	(620) 235-1867	Steering Committee, health statistics, data analysis and reporting

**c. Partnerships with Community Organizations i. Community Organization Description & Role**

Organization Name	Contact Person	Contact Information	Role
PSU	Shawn Naccarato, Director of Government and Community Relations	(620) 235-4128	Analysis, sampling, marketing
Live Well Crawford County	Martha Murphy, Chair	(620) 232-1930	Community input and coordination, session logistics, input management
SEKESC	Bonnie Houk, Director of Grants Management	(620) 724-6281	Steering Committee, data collection and analysis, reporting

Multiple PSU programs participated in the AWP project, and it is anticipated that their participation will continue. One of the goals of the District is to develop local brownfield redevelopment capacity so the community can be more directly involved in future remediations and more effectively address the array of redevelopment issues it faces.

**ii. Letters of Commitment** - Letters are attached in Appendix A.

**d. Partnerships with Workforce Development Programs**

Every effort will be made to provide employment opportunities for individuals and local companies to engage in the assessment and cleanup activities. The City will follow its standard RFP procurement process, which includes a local preference option (cost differential up to 3%). The City is typically engaged with a variety of engineering firms, including firms with environmental capability, and some of these firms have a local presence. While there are no EPA Brownfields job training grantees within Kansas, the City of Pittsburg will attempt to coordinate with those in close proximity within Region 7 including the City of Springfield, Missouri. The City will also work with the selected consultant to engage programs at Pittsburg State University to participate in the project work. In addition the City will work with the KansasWorks Pittsburg office which provides one-stop career agency to match job seekers with open positions. KansasWorks also provides skills assessment and testing services, interview preparation and job interview assistance.

**4. PROJECT BENEFITS**

**a. Welfare, Environmental, and Public Health Benefits & b. Economic and Community Benefits -**

The narrative below addresses a. and b.

The importance to the community of redevelopment of the District area cannot be overestimated. The area is at the geographic center of the city and represents 100 years of vibrant economic activity that now sits mostly dormant. The excitement demonstrated during open houses at the prospect of revitalizing this area at the heart of the city shows a deep connection to most residents. The area is widely seen as an example of how Pittsburg's dynamic past has declined, and the idea that it can be renewed into a dynamic hub connecting all parts of the city provides encouragement for the community not to accept decline but work to improve.

The public health benefits for this proposed project are significant. Through the identification of contaminants and remediation procedures, both residents and property owners will have the knowledge necessary to safely and effectively remediate the proposed site to avoid further health complications. The overall project outcome will be to repurpose the contaminated sites into quality recreational spaces, business incubators, mixed use structures and other community assets as identified during the revitalization planning project. The proposed revitalization plan can provide improved recreational experiences, housing, businesses and an increased sense of community. As identified in Pittsburg State University's Biology department analysis of Schlanger Park and Clay Creek, a series of walking and



biking trails as an amenity, with a combination of grassland and woodland areas would lend to walking paths with signage focusing attention on native biomes, wildlife habitat, and flood mitigation structures. Fitness trails were of high interest and would provide a safe environment for walking, running or biking. Bike and walking trails on the outside edges would connect to other trails in the immediate area for greater connection to the rest of the downtown area.

Not only will this improve the overall health of the residents, but it will also provide increased access to services and goods within the District area and improved quality job prospects. New and expanded businesses into the district will provide increased income, consumer choices and health care benefits associated with skilled employment, particularly from PSU. Capitalizing on existing discarded tile pipe on the largest track within the proposed site (Mission Clay) would allow the pipe to be repurposed as a local construction. Other economic benefits would be the development of low-income housing for families or housing for the 55+ population. Both of these have been identified as a great need within the city for further economic growth. This proposed project addresses the challenges previously identified with the lack of sufficient housing, industry, recreational areas, and areas for arts and cultural events. Anticipated outcomes would be more than one-half of the site acreage identified for immediate reuse and clearly identified cleanup plans for the site to provide minimum exposure to hazardous substances and other contaminants.

## **5. PROGRAMMATIC CAPABILITY AND PAST PERFORMANCE**

**a. Audit Findings** - The City of Pittsburg has not had any adverse audit findings.

**b. Programmatic Capability** - The City has successfully administered numerous grants and has an operational and financial team with grant management experience on staff full time. It has the organizational capability to manage numerous ongoing grant programs and in fact does so annually. Jay Byers, Assistant City Manager, Ms. Becky Gray, Community Development and Public Housing Manager, Cameron Alden, P.E.-City Engineer, and a Contract Assessment and Cleanup Specialist (CACS) will be assigned management responsibilities for this grant based on their knowledge, experience, and qualifications. Mr. Byers has written and administered a number of grants and will be the Project Coordinator for the City. He has been the primary administer for the EPA AWP grant. Mr. Alden oversees the Codes Enforcement Department and Floodplain Manager and the Zoning Administrator where he oversees the City's Planning & Zoning Commission and the Board of Zoning Appeals. Ms. Gray is the City Planner and oversees the Pittsburg Public Housing Agency (PPHA), which provides subsidized rental assistance to over 400 families annually through the Section 8 Housing Choice Voucher (HCV) program, and she serves as the City's administrator of federal community development and housing grants; City developed housing programs, the Citizen's Advisory Board (CAB) on neighborhood revitalization, and leads various community development initiatives. Over the past year, Ms. Gray has administered three federally funded grant programs on the City's behalf, and along with the Section 8 HCV program, has managed over \$1.86 million dollars in federal funds. The CACS will provide leadership and overall coordination among partners, funders, and contractors for projects. The CACS will coordinate project assessment and cleanup plans with the project team to ensure all facets of programs are addressed as appropriate. The CACS will perform other duties not listed above as needed by the project. The City will continue its practice of submitting appropriate reports to the Project Officer and fulfill related requirements as defined in the Cooperative Agreement.

**c. Measuring Environmental Results: Anticipated Outputs/Outcomes** - The City will work with the CHC, SEKESC, KSU-TAB and KDHE to prepare RFP documents and execute selection of the Contract Assessment and Cleanup Specialist (CACS). This

group, along with the CACS, will also define contracts for the tasks. These will be reviewed and approved by the Steering Committee and will form the basis of the work to be performed. The number

of Stage 1 and Stage 2 assessments for each site will be tracked as well as the number of community meetings and the final cleanup plan. The CACS will be selected based on experience with Brownfields site assessment and cleanup plan development and will be responsible for developing and managing the project and completing the assessment and cleanup plan. The project plan will be reviewed and approved by the Steering Committee, who will meet regularly and receive updates from the Project Coordinator. The CACS will provide options for modifying the implementation tasks as needed to achieve the goals and the Steering Committee will decide by majority vote how the tasks will be adjusted. Live Well Crawford County will support community engagement and expanded participation in planning. Live Well will also provide logistical support for community sessions. PSU will support environmental analysis where appropriate, KSU-TAB, and the Project Coordinator and approved by the Steering Committee. SEKESC will serve on the Steering Committee, support analysis required for reporting and prepare quarterly reports. The Steering Committee will present the assessment results and cleanup plan to the City Plans and Zoning Committee and then to the City Commission.

**d. Past Performance and Accomplishments i. Currently or Has Ever Received an EPA Brownfields Grant - 1. Accomplishments and 2. Compliance with Grant Requirements** -

Prior to the award of \$196,400 for an EPA Brownfields AWP grant in 2015, another \$200,000 Brownfield Grant had been awarded within the past ten years. The City of Pittsburg satisfied the previous grant requirements including complying with the cooperative agreement work plan and successfully completed all reporting (e.g. quarterly progress reports, financial status reports, etc.) in a timely-manner. City officials are committed to continuing to work with the EPA and State agencies to address its considerable Brownfields issues. While the City has a proven track record of responsibly managing federal funds, it is highly interested in expanding its capacity to specifically address its environmental issues locally, and will be using this planning grant to enhance partnerships by engaging competent local providers and to establish deeper administrative capability in this functional area. Below is the most recent awarded EPA grants to the City of Pittsburg:

***2006 Brownfield Assessment Grant (BF-98778501) – Grant Complete. Funds Expended (Remaining Balance): \$200,000(\$0); Amount of time remaining on the Cooperative Agreement: Complete; Compliance with Cooperative Agreement Requirements: Met***

In addition to EPA awarded funding, the city has been successful in receiving and managing funding from other government agencies. A list of recent project agencies and a description of the funding are listed below.

***2013 United States Department of Housing and Urban Development Section 8 Vouchers Program – Complete. Funds Expended (Remaining Balance): \$1,367,000 (\$0); Compliance with Section 8 Regulations: Met***

***2013 Kansas Department of Transportation, Transportation Enhancement Grant East / West Connector Multi-Use Trail – Project currently in process. Funds Expended (Remaining Balance): \$730,000 (\$730,000)***

***2014 Kansas Department of Transportation Centennial and Broadway Intersection Improvements – Project currently being completed. Funds Expended (Remaining Balance): \$925,000 (\$230,000)***

***2014 Kansas Department of Transportation 20<sup>th</sup> and Broadway Intersection Improvements – Project currently in process. Funds Expended (Remaining Balance): \$1,569,000 (\$800,000)***

***2014 Kansas Department of Transportation, Transportation Alternatives Grant South Rouse Connector Multi-Use Trail – Project currently in process. Funds Expended (Remaining Balance): \$937,000 (\$937,000)***

## ATTACHMENTS

### Assessment Other Factors Checklist

	<b>Other Factor</b>	<b>Page #</b>
	<i>None of the Other Factors are applicable.</i>	
	Community population is 10,000 or less.	
	Applicant is, or will assist, a federally recognized Indian tribe or U.S. territory.	
	Target brownfield sites are impacted by mine-scarred land.	
X	Project is primarily focusing on Phase II assessments.	10
X	Applicant demonstrates firm leveraging commitments for facilitating brownfield project completion by identifying amounts and contributors of funding in the proposal and have included documentation.	11, Appendix A
X	Recent (2008 or later) significant economic disruption has occurred within community, resulting in a significant percentage loss of community jobs and tax base.	6
X	Applicant is one of the 24 recipients, or a core partner/implementation strategy party, of a “manufacturing community” designation provided by the Economic Development Administration (EDA) under the Investing in Manufacturing Communities Partnership (IMCP). To be considered, applicants must clearly demonstrate in the proposal the nexus between their IMCP designation and the Brownfield activities. Additionally, applicants must attach documentation which demonstrate either designation as one of the 24 recipients, or relevant pages from a recipient’s IMCP proposal which lists/describes the core partners and implementation strategy parties.	7
	Applicant is a recipient or a core partner of HUD-DOT-EPA Partnership for Sustainable Communities (PSC) grant funding or technical assistance that is directly tied to the proposed Brownfields project, and can demonstrate that funding from a PSC grant/technical assistance has or will benefit the project area. Examples of PSC grant or technical assistance include a HUD Regional Planning or Challenge grant, DOT Transportation Investment Generating Economic Recovery (TIGER), or EPA Smart Growth Implementation or Building Blocks Assistance, etc. To be considered, applicant must attach documentation.	
X	Applicant is a recipient of an EPA Brownfields Area-Wide Planning grant.	1

## Letter from State Authority

Division of Environment  
Curtis State Office Building  
1000 SW Jackson St., Suite 400  
Topeka, KS 66612-1367



Phone: 785-296-1535  
Fax: 785-296-8464  
[www.kdheks.gov](http://www.kdheks.gov)

Susan Mosier, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

December 16, 2016

City of Pittsburg  
Attn: Mr. Jay Byers  
Assistant City Manager  
201 W. 4th Street  
Pittsburg, KS 66762

**Re: Letter of Support, City of Pittsburg, Kansas, Application for EPA Brownfields Assessment Grant FY2017**


Dear Mr. Byers:

The Kansas Department of Health and Environment (KDHE) Kansas Brownfields Program (KBP) extends its' services and expertise to the city of Pittsburg in support of their application for the 2017 Brownfields Assessment Grant. It is our understanding that the grant will be used to assess numerous properties which were identified and inventoried as a result of the Area Wide Planning (AWP) Grant previously awarded to the city through the Environmental Protection Agency's competitive grant program.

The identified brownfield properties include and surround a large tract of land centrally located within the city, known as the Mission Clay property. The target area covers approximately 350 acres of land where historical smelting operations along with many other heavy industrial activities which occurred throughout the 1900s. These activities adversely impacted the area with significant environmental contamination and has left the stigma of perceived contamination on many other properties as well. KDHE acknowledges it is often difficult for smaller communities to allocate funds to conduct necessary due diligence prior to property transfers and/or redevelopment. KDHE will continue to support Pittsburg's redevelopment efforts through providing environmental site assessments (ESA) at no cost to the city or the surrounding communities.

Receiving the Brownfields Assessment Grant would be an invaluable opportunity for the city to promote positive change within and around the community through revitalization and redevelopment brownfield properties. KDHE fully supports this grant application. In the event that the city is awarded the Brownfields Assessment Grant, KDHE looks forward to continue developing a strong working partnership with Pittsburg. If you have any questions, please contact me via telephone at 785.291.3246 or by e-mail at [gary.richards@ks.gov](mailto:gary.richards@ks.gov).

Sincerely,



Gary Richards  
Unit Manager  
Brownfields and Orphan Sites Unit  
Bureau of Environmental Remediation

C: Gary Richards > Bob Jurgens > Kansas Brownfields Program > Administrative File

## APPENDIX A – Letters of Support

Division of Environment  
Curtis State Office Building  
1000 SW Jackson St., Suite 400  
Topeka, KS 66612-1367



Phone: 785-296-1535  
Fax: 785-296-8464  
www.kdheks.gov

Susan Mosier, MD, Secretary

Department of Health & Environment

Sam Brownback, Governor

December 16, 2016

City of Pittsburg  
Attn: Mr. Jay Byers  
Assistant City Manager  
201 W. 4th Street  
Pittsburg, KS 66762

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The Kansas Department of Health and Environment (KDHE) Kansas Brownfields Program (KBP) extends its services and expertise to the city of Pittsburg in support of their application for the 2017 Brownfields Assessment Grant. It is our understanding that the grant will be used to assess numerous properties which were identified and inventoried as a result of the Area Wide Planning (AWP) Grant previously awarded to the city through the Environmental Protection Agency's competitive grant program.

The identified brownfield properties include and surround a large tract of land centrally located within the city, known as the Mission Clay property. The target area covers approximately 350 acres of land where historical smelting operations along with many other heavy industrial activities which occurred throughout the 1900s. These activities adversely impacted the area with significant environmental contamination and has left the stigma of perceived contamination on many other properties as well. KDHE acknowledges it is often difficult for smaller communities to allocate funds to conduct necessary due diligence prior to property transfers and/or redevelopment. KDHE will continue to support Pittsburg's redevelopment efforts through providing environmental site assessments (ESA) at no cost to the city or the surrounding communities.

Receiving the Brownfields Assessment Grant would be an invaluable opportunity for the city to promote positive change within and around the community through revitalization and redevelopment brownfield properties. KDHE fully supports this grant application. In the event that the city is awarded the Brownfields Assessment Grant, KDHE looks forward to continue developing a strong working partnership with Pittsburg. If you have any questions, please contact me via telephone at 785.291.3246 or by e-mail at [gary.richards@ks.gov](mailto:gary.richards@ks.gov).

Sincerely,

  
Gary Richards  
Unit Manager  
Brownfields and Orphan Sites Unit  
Bureau of Environmental Remediation

C: Gary Richards > Bob Jurgens > Kansas Brownfields Program > Administrative File



College of Engineering  
Center for Hazardous Substance Research

Jay Byers  
Assistant City Manager  
City of Pittsburg  
201 W. 4<sup>th</sup> Street  
Pittsburg, KS 66762

December 16, 2016

**Subject:** Letter of Support and Commitment for Pittsburg, Kansas  
EPA \$300,000 Community Wide Assessment Grant Application

Dear Mr. Byers:

The Technical Assistance to Brownfields (TAB) Program, at Kansas State University (KSU), is pleased to provide this letter in support and commitment of leveraged effort (not a match) for your Hazardous Substance and Petroleum Assessment Grant application.

TAB currently plans to review a draft of your Area-Wide Plan, as your current EPA planning grant wraps up, and will assist with the following if your Assessment proposal is funded: 1) review of your draft RFP and proposals received, to hire a consultant who will perform the proposed assessments; 2) provide information on the Brownfields Inventory Tool, and how to use it to track and report assessment progress into the EPA ACRES database; 3) comment on cleanup plans; and 4) provide general support throughout the grant period, leaving the City in a position to apply for a Cleanup Grant.

Based on our experience with of partnering with other entities, we anticipate that our effort will constitute approximately \$4,000 of leveraged effort per year working with the City of Pittsburg.

We wish you luck on your proposal and with your brownfields redevelopment efforts in general. I can be reached at 785-532-0780.

Sincerely,

A handwritten signature in cursive script, appearing to read "Blase A. Leven".

Blase A. Leven  
TAB Program Coordinator





Pittsburg State University  
OFFICE OF THE PRESIDENT

December 20, 2016

Jay Byers  
Assistant City Manager  
City of Pittsburg  
201 W. 4<sup>th</sup> Street  
Pittsburg, KS 66743

Dear Jay:

Pittsburg State University is pleased to provide a letter of commitment for the city's EPA Brownfields Area-Wide Planning application.

Pittsburg State and the City of Pittsburg have shared a close relationship for over 100 years, when the community united to rebuild the college after a devastating fire, and continue to build upon this relationship to this day, as evidenced by numerous financial and operational collaborations. This grant proposal provides a unique chance to provide real-world educational experience in Geography and Biology while working with the City to expand the community's understanding of, and ability to address, the significant environmental issues that are the legacy of Pittsburg's mining and smelting heritage.

The University will be able to provide services crucial to completion of the program goals, including:

- Technical presentations, workshops and seminars on brownfields-related topics
- Strategic planning and redevelopment visioning workshops
- Economic feasibility and sustainability analysis
- Identification of potential funding sources
- Assistance with environmental justice issues
- Guidance in finding and contracting with environmental firms
- Independent review and summary of technical documents
- Community outreach liaison service between you, state or federal agencies, or other entities
- Assistance with sustainability education and planning
- Assistance with soil analyses

If leveraged resources are available and required, PSU is open to discussion regarding in-kind contributions from non-federal resources.

We look forward to working with the City of Pittsburg and the Steering Committee on developing a long-range reclamation plan to revitalize the proposed site. If you have questions regarding our specific contributions, please contact Shawn Naccarato.

Sincerely,

A handwritten signature in black ink, appearing to read "Steven A. Scott".

Steven A. Scott, Ed.D.  
President





Live Well Crawford County  
111 E. Forest  
Girard, KS 66743

Phone:  
620-704-0019

Email:  
[bstroud@crowfordcohd.org](mailto:bstroud@crowfordcohd.org)

Website:  
[www.livewellcrawfordcounty.org](http://www.livewellcrawfordcounty.org)

Health & Wellness Committee  
of  
Crawford County

*"Promoting healthy  
lifestyle choices through  
education, motivation, and  
support for all generations"*

Find us on Facebook:  
*Live Well Crawford County*

December 21, 2016

Jay Byers  
Assistant City Manager  
City of Pittsburg  
201 W. 4<sup>th</sup> St  
Pittsburg, KS 66762

Jay,

Live Well Crawford County is pleased to provide a letter of support for the City of Pittsburg's EPA Brownfield application. The opportunity to develop a solid plan for remediation of the extensive area at the former Mission Clay site will benefit the citizens of Pittsburg for many years to come.

As you know, Live Well is a coalition of Crawford County citizens supporting healthy lifestyles in our county and is sponsored by the Community Foundation of Southeast Kansas. Live Well is committed to promoting healthy lifestyle choices through education, motivation, and support for all generations. We believe in actively working as a partner with communities in lending support to projects such as this in order to help achieve our vision.

In an effort to assist your endeavor to leverage other resources, our specific contributions to the proposed include, but are not limited to the following:

- Willingness to provide a representative on the steering committee
- Coordinate community outreach and expand partnerships
- Assist with community planning/visioning sessions and workshops

We estimate the approximate contribution to be valued at \$1000 and will be provided as an in-kind contribution from non-federal resources.

We look forward to working with the City of Pittsburg and the Mission Clay steering committee on developing long-range reclamation plan to revitalize the proposed site that will also improve health outcomes in our citizens. If you have questions regarding our specific contributions, please do not hesitate to contact me.

Sincerely,

Brad Stroud  
Director Live Well Crawford County



**Community Health Center  
of Southeast Kansas**

3011 N. Michigan • P.O. Box 1832 • Pittsburg, KS 66762 • 620.231.9873 • Fax: 620.235.0869

December 19, 2016

Jay Byers  
Assistant City Manager, City of Pittsburg  
201 W. 4<sup>th</sup> Street  
Pittsburg, KS 66762

Dear Mr. Byers:

The Community Health Center of Southeast Kansas (CHC/SEK) is pleased to provide a letter of support for the city's application for a Brownfields Assessment Grant. The city's continued efforts to reclaim this extensive area in the heart of the community is to be commended and, if successful, will benefit generations to come.

As you are aware, CHC/SEK is a federally qualified health center (FQHC) dedicated to providing quality health care to anyone regardless of their ability to pay. FQHCs are only approved in the neediest communities and southeast Kansas, especially Pittsburg and the surrounding area, readily qualify. This region – the poorest and least healthy in the state of Kansas – continues to struggle with a legacy left as a result of mining and refining in the 1900s. CHC/SEK – in addition to providing medical, dental and mental health care to more than 43,000 low-income uninsured and underserved patients annually – is also working to improve the health indicators and outcomes that place this county in the state's top ten for heart disease, stroke, asthma, diabetes, cancer and depression. Any intervention – especially one that returns land to safe and meaningful use – will no doubt have an impact and we have been excited about this possibility since we first learned that Brownfields funding might be a viable option.

As we have previously indicated, we are willing to contribute in whatever way is feasible including serving on a Steering Committee, providing needed public health analysis and data and tapping into our internal expertise including our medical staff and evaluators knowledgeable in quality improvement, risk reduction and public health.

This is no doubt a huge project that has been decades in the making and will take time to appropriately address. Assessment funding is critical to this all-rural community which now has the leadership and vision in place to see this project through. This is especially noteworthy in the area of Pittsburg that was once on "the wrong side of the tracks" where the poorest made their homes. To truly revitalize this area, it must start with a solid identification of need and plans on exactly how to move forward. Your funding would make this possible.

Please contact me if you have any further questions or concerns. I can be reached at 620-235-1867 or via email at [kpostai@chcsek.org](mailto:kpostai@chcsek.org).

Sincerely,

A handwritten signature in black ink, appearing to read 'Krista Postai', is written over a horizontal line.

Krista Postai  
President/Chief Executive Officer



Southeast Kansas Education Service Center • PO Box 189 • 947 W. 47 Highway • Girard, Kansas 66743 • P: 620-724-6281 • F: 620-724-6284 • [www.greenbush.org](http://www.greenbush.org)

14 December 2016

Jay Byers  
Assistant City Manager  
City of Pittsburg  
201 W. 4<sup>th</sup> Street  
Pittsburg, KS 66762

Jay

The Southeast Kansas Education Service Center is pleased to provide a letter of support for the city's EPA Brownfield's application. The opportunity to fully assess the conditions of this extensive area and developed cleanup plans will benefit the citizens of Pittsburg for many years to come.

As you know, the Southeast Kansas Education Service Center is committed to providing equal educational opportunities to students throughout Kansas. To achieve this goal we believe in actively working as a partner with communities in lending support to projects such as this.

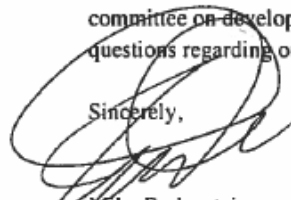
In an effort to assist your endeavor to leverage other resources, our specific contributions to the proposed project include, but are not limited to the following:

- Willingness to provide a representative on the Mid-City Renaissance District steering committee;
- Assist with data collection, analysis, and reporting specifically to document achievement of project outcomes; and
- Serve as a conduit for community education, coordination, and outreach.

We estimate the approximate contribution to be valued at \$2,600 and will be provided as an in-kind contribution from non-federal resources.

We look forward to working with the City of Pittsburg and the Mid-City Renaissance District steering committee on developing a long-range reclamation plan to revitalize the proposed site. If you have questions regarding our specific contributions, please do not hesitate to contact me.

Sincerely,



Mike Bodensteiner  
Executive Director

Service • Innovation • Opportunities

## APPENDIX B

### Mid-City Renaissance Vision

“The Mid-City Renaissance District will be a place that connects our people, our economy and the natural environment. Families will come together to recreate and neighbors will have chance encounters. Our heritage will be interpreted and our ecosystems will be restored. Learning and collaboration will be a foundation for renewal. Risk-taking is inherent in innovation: the Mid-City Renaissance District will take those risks to seek innovative solution to our environmental, economic and social needs, thereby strengthening adjacent neighborhoods and supporting a vibrant downtown.”

Figure 1





Figure 2



Figure 3





## IMCP Designation



September 15, 2014

Project Officer  
Environmental Protection Agency  
8601 Georgia Avenue, Suite 500  
Silver Spring, MD 20910

RE: Environmental Protection Agency Letter of Support for the EPA FY15 Brownfields Area-Wide Planning Grant, EPA-OSWER-OBLR-14-06

Dear Project Officer:

Wichita State University (WSU) and the South Kansas region have recently been selected as one of twelve Investing in Manufacturing Communities Partnership (IMCP) designees through the interagency initiative led by the U.S. Department of Commerce Economic Development Administration. South Kansas is poised to be a global leader in advanced materials and their commercialization in advanced manufacturing/high-technology manufacturing. The region's dominance is due to its unique world-class assets in the following areas: workforce and training, supplier networks, research and development, infrastructure and site development, and trade and international investment.

South Kansas' "Manufacturing Community" designation is engaged in support of Pittsburg State University's application to the EPA FY15 Brownfields Area-Wide Planning Grant. The proposal is in alignment with the region's IMCP strategic plan to identify suitable potential advanced manufacturing sites that are in locations where planned use will not disproportionately impact the health or environment of vulnerable populations.

The proposal provides for assistance with developing detailed plans for assessment, cleanup and subsequent reuse of hazardous sites. The City of Pittsburg's application will target an area within the city limits that includes at least one identified hazardous location that was previously the site of smelting operations. The proposal will demonstrate how the identified area has been affected by economic, social, and public health concerns, and how the plan will be developed using sound research and technical evaluation. The proposal will result in a plan that improves health, the local economy, social conditions, and community welfare in a sustainable and equitable manner. A major element in the proposal is engagement with the community and support from local project partners. The execution of this grant will increase the knowledge and capacity of the community to address environmental issues and will reflect a local vision for reclamation of the targeted site.

Sincerely,

John S. Tomblin  
Vice President for Research and Technology Transfer



## Application for Federal Assistance SF-424

\* 1. Type of Submission:

- ☐ Preapplication  
☒ Application  
☐ Changed/Corrected Application

\* 2. Type of Application:

- ☒ New  
☐ Continuation  
☐ Revision

\* If Revision, select appropriate letter(s):

\* Other (Specify):

\* 3. Date Received:

12/22/2016

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

### 8. APPLICANT INFORMATION:

\* a. Legal Name:

City of Pittsburg

\* b. Employer/Taxpayer Identification Number (EIN/TIN):

48-6041003

\* c. Organizational DUNS:

0306621750000

d. Address:

\* Street1:

201 W. 4th Street

Street2:

\* City:

Pittsburg

County/Parish:

\* State:

KS: Kansas

Province:

\* Country:

USA: UNITED STATES

\* Zip / Postal Code:

66762-4701

e. Organizational Unit:

Department Name:

Administration

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:

Mr.

\* First Name:

Jay

Middle Name:

\* Last Name:

Byers

Suffix:

Title:

Assistant City Manager

Organizational Affiliation:

\* Telephone Number:

620-231-4100

Fax Number:

620-240-5170

\* Email:

jay.byers@pittks.org

## Application for Federal Assistance SF-424

### \* 9. Type of Applicant 1: Select Applicant Type:

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

\* Other (specify):

### \* 10. Name of Federal Agency:

Environmental Protection Agency

### 11. Catalog of Federal Domestic Assistance Number:

66.818

CFDA Title:

Brownfields Assessment and Cleanup Cooperative Agreements

### \* 12. Funding Opportunity Number:

EPA-OLEM-OBLR-16-08

\* Title:

FY17 Guidelines for Brownfields Assessment Grants

### 13. Competition Identification Number:

NONE

Title:

None

### 14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

### \* 15. Descriptive Title of Applicant's Project:

Mid-City Renaissance District

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

**Application for Federal Assistance SF-424****16. Congressional Districts Of:**\* a. Applicant \* b. Program/Project 

Attach an additional list of Program/Project Congressional Districts if needed.

**17. Proposed Project:**\* a. Start Date: \* b. End Date: **18. Estimated Funding (\$):**

* a. Federal	<input type="text" value="295,500.00"/>
* b. Applicant	<input type="text" value="0.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="295,500.00"/>

**\* 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ☐ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ☐ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ☒ c. Program is not covered by E.O. 12372.

**\* 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**☐ Yes ☒ No

If "Yes", provide explanation and attach

**21. \*By signing this application, I certify (1) to the statements contained in the list of certifications\*\* and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances\*\* and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☒ \*\* I AGREE

\*\* The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

**Authorized Representative:**

Prefix:  \* First Name:

Middle Name:

\* Last Name:

Suffix:

\* Title: \* Telephone Number:  Fax Number: \* Email: \* Signature of Authorized Representative:  \* Date Signed: